

IN THE ABSTRACT

Please add the abstract as follows. The abstract is also submitted on a separate sheet with the response.

A device for processing digital data. A module (M2, M3) produces on a data vector of the frequency domain $Z(k)$, wherein K varies from 0 to $N-1$, a convolution with a function U , convolution which corresponds to a cancellation in the time domain of the samples of the inverse transform of $Z(k)$. The function U is in the form: $U(k) = \sin c(k-k_0/2) \cdot e^{-j\pi(\alpha(k-k_0/2) \cdot P(k))}$, wherein K_0 is a constant integer and $P(k)$ a weighting window symmetrical about k_0 .